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DATE MAILED: 11/15/2005

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/663,642	09/17/2003	Kiyohito Mukai	56937-086	3812
7590 11/1 <i>5/</i> 2005			EXAMINER	
McDERMOTT, WILL & EMERY			LINDSAY JR, WALTER LEE	
600 13th Street, N.W. Washington, DC 20005-3096			ART UNIT	PAPER NUMBER
			ARTONII	FATER NOMBER
			2812	

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application No.	Applicant(s)			
Office Action Summary		10/663,642	MUKAI ET AL.			
		Examiner	Art Unit			
		Walter L. Lindsay, Jr.	2812			
Period fo	The MAILING DATE of this communication app or Reply	ears on the cover sheet	with the correspondence address	,		
WHIC - Exte after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLY CHEVER IS LONGER, FROM THE MAILING DANSIONS OF THE MAILING THE MAIL	ATE OF THIS COMMUI 36(a). In no event, however, may will apply and will expire SIX (6) M , cause the application to become	NICATION. ra reply be timely filed ONTHS from the mailing date of this communicate ABANDONED (35 U.S.C. § 133).			
Status						
1)	Responsive to communication(s) filed on					
		action is non-final.	·			
3)	Since this application is in condition for allowance except for formal matters, prosecution as to the ments is					
	closed in accordance with the practice under E	x parte Quayle, 1935 C	.D. 11, 453 O.G. 213.			
Disposit	ion of Claims					
4)⊠	Claim(s) 1-12 is/are pending in the application.					
	4a) Of the above claim(s) <u>4-12</u> is/are withdrawn from consideration.					
5)⊠	Claim(s) 2 and 3 is/are allowed.					
· · · ·	Claim(s) 1 is/are rejected.					
· ·	Claim(s) is/are objected to.	1 . 6	•			
8)[_]	Claim(s) are subject to restriction and/o	r election requirement.				
Applicat	ion Papers					
9)[The specification is objected to by the Examine	r.				
10)	The drawing(s) filed on is/are: a) acc					
	Applicant may not request that any objection to the			4.4.10		
44)	Replacement drawing sheet(s) including the correct The oath or declaration is objected to by the Ex					
<i>,</i> —		ammer. Note the attact	led Office Action of John PTO-132.			
•	under 35 U.S.C. § 119					
	Acknowledgment is made of a claim for foreign	priority under 35 U.S.C	. § 119(a)-(d) or (f).			
a)	☐ All b)☐ Some * c)☐ None of:	- h h				
	1. Certified copies of the priority document		Application No			
	2. Certified copies of the priority documents3. Copies of the certified copies of the priority					
	application from the International Bureau		sir received in this realistic etage			
* (See the attached detailed Office action for a list		ot received.			
		·				
Attachmen	t(s)					
	te of References Cited (PTO-892)		w Summary (PTO-413)			
	e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08)		lo(s)/Mail Date of Informal Patent Application (PTO-152)			
	r No(s)/Mail Date	6) Other:	The state of the s			

DETAILED ACTION

This Office Action is in response to a Response filed on 9/6/2005.

Currently, claims 1-3 are pending.

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Jang et al.
 (U.S. Patent No. 5,702,977 dated 12/30/1997).

Jang shows the method as claimed in Fig. 3-8, and corresponding text as: a first step for forming at least a region dividing groove (trench) (28) for separating the surface of a semiconductor substrate (30) into a first region constituting an active region of a relatively large area and a second region constituting an active region of a relatively small area (col. 5, lines 42-54); a second step for forming an insulating film (42) on the surface of the semiconductor substrate including the interior of the region dividing groove (col. 9, line 56-col. 10, line 2); a third step for etching the insulating film using an etching mask (34) having a lattice window pattern (40) in such a manner that lattice openings corresponding to the lattice window pattern are formed in the first region (col. 10, lines 29-47); and a fourth step for polishing off the insulating film remaining on the semiconductor substrate (col. 10, lines 29-47) (claim 1).

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Allowable Subject Matter

1. Claims 2-3 are allowed.

2. The following is an examiner's statement of reasons for allowance: the prior art,

either singly or in combination fails to anticipate or render obvious, the limitations of:

... a third step for etching the insulating film using an etching mask having a

single opening pattern and a lattice window pattern in such a manner that a single

opening corresponding to the single opening pattern is formed in the first region and

lattice openings corresponding to the lattice window pattern are formed in the second

region, as required by claim 2.

Any comments considered necessary by applicant must be submitted no later

than the payment of the issue fee and, to avoid processing delays, should preferably

accompany the issue fee. Such submissions should be clearly labeled "Comments on

Statement of Reasons for Allowance."

Response to Arguments

3. Applicant's arguments filed 9/6/2005 have been fully considered but they are not

persuasive. The examiner views the term "lattice window" is analogies to "mask

opening" and would be anticipated by the teachings of Jang.

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Conclusion

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Walter L. Lindsay, Jr. whose telephone number is (571) 272-1674. The examiner can normally be reached on Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael S. Lebentritt can be reached on (571) 272-1873. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Walter L. Lindsay, Jr. Examiner Art Unit 2812

November 9, 2005